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## IN THE CLAIMS

(original) A process for cooling polyethylene terephthalate pellets exiting a polycondensation solid stating reactor in a polyethylene terephthalate production process, comprising

contacting pellets exiting a solid stating reactor with liquid water in an amount sufficient to lower the temperature of said pellets to a first temperature within the range of about 50°C and about 120°C,

removing liquid water from said pellets, and recovering cooled pellets containing about 10 weight percent or less of water.

- 2. (original) The process of claim 1, wherein said step of contacting is effected by at least one spray of water which contacts said pellets.
- (original) The process of claim 1 wherein said step of contacting comprises directing pellets exiting said solid stating reactor into a moving stream of water.
- 4. (original) The process of claim 1, wherein following cooling to said temperature within the range of about 50°C and about 120°C, said pellets are introduced into a mechanical dryer.
- 5. (original) The process of claim 4, wherein said dryer is a paddle dryer or a fluidized bed dryer.
- (original) The process of claim 4, wherein pellets are separated from at 6. least a portion of water associated with said pellets by mechanical means before entry into said dryer or within said dryer.
- (original) The process of claim 4, wherein drying is effected without the 7. addition of external heat.
- 8. (original) The process of claim 4, wherein said dryer is heated by process heat derived from another portion of said PET production process.
- (original) The process of claim 1, wherein water used in the process is recovered and recirculated to the process.
- (currently amended) The process of claim 9, wherein prior to contacting pellets in eaid cooler, water, water being recirculated to the process is chilled.

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- 11. (original) The process of claim 10, wherein water being recirculated is chilled by means of a heat exchanger.
- 12. (currently amended) The process of claim 1, further comprising removing liquid water from wet pellets exiting said-cooler, said wet pellets having a first temperature of from about 50°C to about 120°C to provide moist pellets having a first water content of less than 60% by weight, and volatizing water from said moist pellets due to heat retained by said pellets, and recovering pellets having a second temperature lower then said first temperature and a water content lower then said first water content.
- 13. (original) The process of claim 12, wherein said step of volatizing water takes place in a mechanical dryer in a flow of gas.
- 14. (original) The process of claim 13 wherein said gas is not heated prior to entry into said dryer.
- 15. (original) The process of claim 12, wherein the water content of pellets following said step of recovering is less then 2% by weight.